Engineer: Bruce Page	Date: 3/19/04	Raytheon					
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Approved: CTS	Date: 3/19/04	Title: ACU RADIO APPLICATION NOTES					
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**APPLIES TO:** EF Johnson 5300 Mobile Radio

**RADIO MODIFICATIONS:** None required.

# **RADIO PROGRAMMING:**

1. Mobile radios should normally be programmed for low transmit power.

# **RADIO CONTROLS:**

1. Adjust the Volume Control until the yellow "SIGNAL" indicator on the associated DSP Module flashes with receive audio. Should be about 75% of the full volume position.

## **CABLING:**

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

ACU-1000 Interface Cable JPS P/N 5961-291268 (5961-271268 + 5961-261002-00)
ACU-T Interface Cable JPS P/N 5961-281268 (5961-271268 + 5961-281013-00)
TRP-1000 Shelf Interface Cable JPS P/N 5961-271268

Radio RF Connector Type

Type-N Female

# **DSP PROGRAMMING:**

RX Level	3*	0dBm*	
TX Level	6*	0dBm*	
Squelch Type	VOX*		
COR Polarity	Active Low*		
High Frequency Equalizer	4*	Flat*	
RX Audio Delay	2*	100 ms*	
TX Audio Delay (Radio Type)	0*	No Delay*	
Noise Reduction Value	0*	Off*	
VOX/VMR Threshold	1*	Med1*	
VOX/VMR Hang Time	3*	775 ms*	
COR Inhibit After PTT	1*	100 ms*	
All Others	As needed		

(\* Indicates Default Value)

# NOTES:

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